

IN THE CLAIMS

1. (currently amended) A method of production of a transgenic plant, said method comprising: transforming a plant with a ~~The use of the Y11414 gene or a its functional homologue~~ homologues thereof in other species to produce a transgenic plant which is stress tolerant ~~for the production of transgenic plants that are tolerant to biotic, salt-induced, dehydration-induced, oxidative, and osmotic stress.~~
2. (currently amended) The method ~~use~~ according to claim 1 for the prevention and/or treatment of biotic, salt-induced, dehydration-induced, oxidative, and osmotic stress.
3. (currently amended) The method ~~use~~ according to claim 1 ~~or~~ 2, in which said gene is the Y11414 gene, its functional variants, complementary sequences, and transcription products thereof.
4. (currently amended) The method ~~use~~ according to claim 1 ~~or~~ 2, in which said functional homologue is a polynucleotide sequence that exhibits a sequence homology of at least 70% with the variable region of the Y11414 gene.
5. (original) A polynucleotide sequence characterized by a homology of at least 70% with the variable region of the Y11414 gene.
6. (currently amended) A polypeptide that is coded by the Y11414 gene, by a functional homologue thereof in other species, or by a polynucleotide sequence according to claim 5 ~~that exhibits a sequence homology of at least 70% with the variable region of the Y11414 gene.~~
7. (currently amended) The use of a polypeptide according to claim 6 ~~that is coded by the Y11414 gene, by a functional homologue thereof in other species, or by a polynucleotide sequence that exhibits a sequence homology of at least 70% with the~~

~~variable region of the Y11414 gene~~ for the prevention and/or treatment of biotic, salt-induced, dehydration-induced, oxidative, and osmotic stress.

8. (currently amended) A method of production of a transgenic plant, said method comprising: transforming a plant with an ~~The use of expression cassette (boxes) cassettes and/or a of the biological vector vectors~~ containing a the Y11414 gene, a functional homologue thereof in other species, or a polynucleotide sequence according to claim 5 to produce a transgenic plant which is stress tolerant ~~that exhibits a sequence homology of at least 70% with the variable region of the Y11414 gene for the preparation of transgenic plants that are tolerant to the biotic, salt-induced, dehydration-induced, oxidative, and osmotic stress.~~

9. (currently amended) An expression cassette ~~Expression (boxes) cassettes~~ comprising a promoter operatively linked to a polynucleotide sequence according to claim 5.

10. (currently amended) A biological vector comprising a polynucleotide sequence according to claim 5 or an expression ~~(boxes)~~ cassette comprising a promoter operatively linked to said polynucleotide sequence ~~according to claim 9.~~

11. (original) A vegetable host cell, transformed with the biological vector according to claim 10.

12. (original) A transgenic plant comprising vegetable host cells according to claim 11.

13. (original) A method for the treatment and/or prevention of the damages caused by biotic, salt, dehydration, oxidative and osmotic stresses in the plants, said method comprising transforming said plants with host cells comprising the Y11414 gene.

14. (original) A method for the treatment and/or prevention of the damages caused by salt, dehydration, oxidative and osmotic stresses in the plants, said method comprising transforming said plants with host cells according to claim 11.

15. (original) A method for the preparation of transgenic plants that are tolerant to the biotic, salt-induced, dehydration-induced, oxidative, and osmotic stress, said method comprising using the Y11414 gene, a functional homologue thereof, or a polynucleotide sequence according to claim 5.